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Learning Style: On Demand

Technology: Microsoft

Difficulty: Intermediate

Course Duration: 16 Hours

Microsoft Azure Security Services

About this course:

This online training emphasizes essential principles such as what separates Azure Active Directory from on-premises Active Directory, discrepancies in user and community management and implementation of custom domains in Azure Active directory. Students will be guided to principles such as tenants and directories and also multi-factor authentication that will enable you to add a crucial second layer of protection for client log-ins and transaction verification.

Whether you're running applications or workloads in the cloud on-premises, knowing how Azure Active Directory can apply an on-site environment will provide insight into Active Directory hybrid environments and assist you to develop the skills to manage and integrate a cloud and on-site solution.

The average income for cloud computing IT professionals is $113,000 per annum

Course Objective:

The students should have a good understanding after completing this course of:

- Understanding how to implement Apps in Azure Active Directory
- Configuration of multi-factor verification
- How to add Active Directory to Azure on-premises
- How to manage and create Azure AD directories

Audience:

This online training is designed for

- IT Administrators responsible for cloud service user management, such as Office 365, Azure

Prerequisite:

- Basic understanding of virtualization concepts.
- Fundamental knowledge of cloud computing models.
- Fundamental knowledge of command-line interface (CLI) and PowerShell scripting.

Course Outline:

Introduction to Azure Security Architecture

- Azure Security Services
- Video Introduction to Azure Network Security
- Azure Public Cloud Services
- Azure Networking
- Network Access Control
- Secure Remote Access and Cross Premises Connectivity

- Video VNET Peering
- Availability
- Name Resolution
- DMZ Architectures
- Monitoring and Threat Detection
- Module Summary
- Mod 01 Assessment

Azure Security and Operations Management

- Cloud Adoption changes
- Dynamic cloud environments
- Services in the cloud
- Shared Responsibility for Security
- Azure Security Center
- Azure Security Center Case Study
- Azure Security Center Practical Exercise
- Azure Backup
- Azure Log Analytics
- Mod 02 Assessment

Additional Azure Security Services

- Azure Application Gateway
- Azure Disk and Storage Encryption
- Data Security and Encryption Best Practices
- Module 03 Assessment

Enterprise Mobility and Security Services

- Understanding Microsoft Intune
- Device Health Attestation
- Security Aspects of Windows AutoPilot
- Module 04 Assessment

Course Completion

- Final Exam Graded
- Labs Graded